MULTIMEDIA UNIVERSITY

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 2, 2019/2020

TIS3451 - INFORMATION TECHNOLOGY AUDITING

(All sections/ Groups)

10 MARCH 2020
2.30 p.m. – 4.30 p.m.
(2 Hours)

INSTRUCTIONS TO STUDENTS

1. This question paper consists of 3 pages with 4 Questions only.
2. Answer **ALL** FOUR questions. All questions carry equal marks and the distribution of the marks for each question is given.
3. Please write all your answers in the **ANSWER BOOKLET**.

QUESTION 1

a. What are the TWO ways that Information Technology (IT) auditors do to ensure IT governance?

[2 Marks]

b. Can auditors examine and evaluate all the data processing in an organization? Justify your answer.

[1.5 Marks]

c. List and describe any THREE steps in the IT Audit Lifecycle.

[3 Marks]

d. Give any TWO effects of computer crimes on organization such as the Ministry of Finance. Why do IT auditors need to know what deemed as cybercrime?

[3 Marks]

e. Explain these THREE categories of Intellectual Property: Patent, Trademark and Copyright.

[3 Marks]

QUESTION 2

a. Provide any TWO specialization in the IT function of a Systems development manager.

[2 Marks]

b. State any TWO areas in human resource procedures that can effectively control business and audit risks.

[2 Marks]

c. Provide TWO disadvantages of short-term/in-and-out approach and TWO disadvantages of long-term/consistent approach in IT project auditing.

[4 Marks]

Continued .....

d. List out THREE types of fraud. [3 Marks]

e. Provide any THREE strategies in fraud prevention. [1.5 Marks]

QUESTION 3

a. Discuss how Control Objectives for Information and Related Technologies (COBIT) framework is used in IT audit. [4 Marks]

b. List out any FOUR of the risk management processes. [2 Marks]

c. Provide the TWO ways of documenting IT controls. How do auditors use these documentations? [3 Marks]

d. Describe the change request process of an Information System (IS). [2 Marks]

e. List out any THREE risk indicators or 'Red Flag' when acquiring an IS. [1.5 Marks]

QUESTION 4

a. Discuss in detail the Intrusion Detection System (IDS) in network and telecommunication. [3 Marks]

b. State ONE method that a hacker might use social engineering to penetrate a business network system. [1 Mark]

Continued .....

c. Discuss how a Database Management System (DBMS) carry out a recovery process.

[4 Marks]

d. E-business requires and allows access to some part of an organization's IS. At any stage, there is the threat of unauthorized access. List out any THREE of these threats.

[1.5 Marks]

e. An E-business application is vulnerable to e-mail security and privacy threats. List and describe any THREE of the e-mail security threats.

[3 Marks]

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